



# National Weather Service

## Storm Data and Unusual Weather Phenomena



February 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### CALIFORNIA, Upper

CAZ011	Siskiyou County	01	0235PST 0740PST		0	0			High Wind (G51)
	Spotter Report 9 miles north of Weed								
CAZ011	Siskiyou County	01	1613PST		0	0			Heavy Snow
	Spotter 6 miles east of Black Butte reported 8 inches of snow past 24 hrs.								
CAZ011-011	Siskiyou County	06	0319PST 0500PST		0	0			High Wind (G52)
	Spotter 6 mi. S of Yreka								
Siskiyou County Weed		06	1015PST		0	0			Heavy Rain
	Spotter in Weed recorded 12 hr. rainfall total of 1.75								
Siskiyou County Weed		06	1625PST		0	0			Heavy Rain
	Spotter 6 mi. W of Black Butte recorded 24 hr. rainfall total of 3.21								
Siskiyou County Mt Shasta		06	1705PST		0	0			Heavy Rain
	Mt. Shasta Coop Observer recorded 24 hr. rainfall total of 3.21 inches and 10.05 since Feb. 1								
Siskiyou County Black Butte		06	1723PST		0	0			Heavy Rain
	Spotter 3 mi. NW of Mt. Shasta recorded 24 hr. rainfall total of 2.17 in.								
CAZ011	Siskiyou County	07 08	0800PST 0800PST		0	0	0		Winter Storm
	South-Southeast flow produced locally orographic driven heavy snow in the Mt. Shasta area and high winds in the Shasta Valley. 6 to 8 inches fell at Mt. Shasta City and 16 to 20 inches near Black Butte at 4000 ft. Wind gusts up to 67 mph were reported at Weed.								
CAZ011	Siskiyou County	10	0500PST 2300PST		0	0	0		Winter Storm
	South winds ahead of the next approaching Pacific storm system produced gusts to 74 mph at Weed. 6 inches of snow fell at Mt. Shasta City.								
CAZ011	Siskiyou County	12	0500PST 1600PST		0	0	0		High Wind
	Next in series of Pacific storm systems produced south winds up to 40 to 60 mph in the Shasta Valley. Wind gusts reached 56 mph at Weed and 60 mph near Yreka.								
CAZ011-011	Siskiyou County	16 17	0800PST 0800PST		0	0	0		Winter Storm
	Frontal system produced locally strong winds and heavy snow in favored orographic areas. Winds gusted to 48 mph at Weed and 58 mph at Big Springs. 5 inches of snow fell at Black Butte and 4 to 6 inches at Mt. Shasta City.								
CAZ011	Siskiyou County	18	1200PST 2000PST		0	0	0		High Wind
	South wind gusted to 53 mph at Weed.								
CAZ011>012	Siskiyou County - Modoc County Except Surprise Valley	20 21	1600PST 2000PST		0	0	0		Winter Storm
	A strong frontal system supported by a 150-170 kt jet brought high winds and heavy snow and rain to far northern California. Winds ahead of the front ranged from 30 to 50 mph but gusted higher in favored valley locations but gusted as high as 62 mph at Weed in the Shasta Valley.								



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### CALIFORNIA, Upper

Impressive snowfall amounts accumulated mainly in the southern and western mountains of Siskiyou county. Up p to 3 ft. mainly in a 12 hr. period. Accumulations include: Mt. Shasta City 23", Spotter 1/2 mi. west of Mt. Shasta City 36", Mt. Shasta Ski Park 4 ft. Near Weed 12" with drifts to 3 ft., McCloud 30", Black Butte 15", Fort Jones 5-8", and Alturas 3".

The 23" reported by the Coop. Observer at Mt. Shasta City was a new 24 hr. record. This storm was one of several that produced heavy precipitation over the orographically favored areas of southern Siskiyou county. Mt. Shasta City received a monthly snowfall total of 62 inches with a total liquid equivalent of 21.80 inches. Dunsmir reported a monthly water equivalent total of 27.48 inches with 11.8 inches of snow. McCloud reported 41 inches of snow and a water equivalent of 28.80.

### OREGON, Southwest

#### **ORZ003-007>008-012-015 Southern Coast - Umpqua Basin - Rogue Basin - Southern Cascades And Siskiyou Mountains - South Central Oregon**

**05 2329PST 0 0 0 High Wind**  
**06 1600PST**

A deep surface low travelled northward off of the Oregon coast creating a strong south-southeast pressure gradient. Sustained winds of 20 to 40 mph with gusts of 50 to 70 mph were reported across Southwest and South Central Oregon. This resulted in a few downed trees and power lines. Minor structural damage was reported in Grants Pass with a small section of a roof blown off. The highest reported gusts was reported along the coast at Cape Blanco with 81 mph. Other gusts include: 60 mph at Chiloquin, 65 mph Mt. Ashland Ski Lodge, 55 mph at Onion Mtn., 55 mph at Red Mound, 49 mph at NWSO MFR, 55 mph at Brookings, 50 mph at Bandon, 52 mph at North Bend and 44 mph at Talent. Approximately 2200 homes and businesses lost power in Jackson Co.

**Curry County**  
**Port Orford**

**07 0000PST 0 0 300K Storm Surge**  
**2300PST**

Unusually heavy surf battered the coast washing away part of Port Orford's sewage treatment system and threatened the town's water supply. Dune that separates the ocean from Garrison Lake (Port Orford's water supply) was eroded allowing some salt water to spill into the lake.

#### **ORZ003-008-012 Southern Coast - Rogue Basin - Southern Cascades And Siskiyou Mountains**

**07 0800PST 0 0 0 High Wind**  
**2300PST**

A series of incoming low pressure systems sustained tight south-southeast pressure gradients. High wind gusts were localized but were as high as 70 mph in Ashland where trees and power lines were downed. A roof was also reported to have blown off of a house. The highest gusts was 81 mph at Cape Blanco. Wind gusts include: 50 mph at Talent, 63 mph at Ashland airport, 62 mph at Buckhorn Mtn, 55 mph at Brookings, 47 mph at NWSO MFR, 43 mph at Brookings. 1500 homes and businesses in Ashland lost power.

#### **ORZ003 Southern Coast**

**10 1200PST 0 0 0 High Wind**  
**2200PST**

Winds ahead of the next Pacific storm system produced wind gusts of 83 mph at Cape Blanco and 54 mph at Bandon.

#### **ORZ003-008 Southern Coast - Rogue Basin**

**12 0600PST 0 0 0 High Wind**  
**2300PST**

Next in series of Pacific low pressure systems produced 35 to 50 mph over the South Oregon Coast and portions of the southwest Oregon interior. Winds gusts reached 86 mph at Cape Blanco. Other gusts include: 67 mph at Port Orford, 49 mph at Brookings, 64 mph at Onion Mtn., 60 mph at Mt. Sexton, 40 mph at NWSO MFR. Thunderstorms with up 1/2 inch hail were reported at Sixes and Gold Beach.

#### **ORZ003 Southern Coast**

**13 1200PST 0 0 0 High Wind**  
**2000PST**

Series of systems continued to bring strong winds to the coast with gusts to 86 mph at Cape Blanco.

#### **ORZ012 Southern Cascades And Siskiyou Mountains**

**13 1800PST 0 0 0 Heavy Snow**  
**14 0800PST**

9 inches of snow past 24 hrs. at Crater Lake.

#### **ORZ003 Southern Coast**

**18 1200PST 0 0 0 High Wind**  
**2200PST**

Frontal system produced south winds of 30 to 50 mph along the coast. Winds gusted up to 79 mph at Cape Blanco, 53 mph at Bandon. Siding was reported to have been blown off a motel Port Orford.



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### OREGON, Southwest

ORZ012

**Southern Cascades And Siskiyou Mountains**

**19 1500PST  
2300PST**

**0 0 0**

**Heavy Snow**

Northerly flow behind exiting front brought heavy orographic snow across the Siskiyou. 6 inches of snow fell on Siskiyou summit (I-5) between 630 and 1030 pm resulting in numerous accidents and two tractor-trailers jackknifed. I-5 was closed during the evening.

ORZ003-007>008-012-015 **Southern Coast - Umpqua Basin - Rogue Basin - Southern Cascades And Siskiyou Mountains - South Central Oregon**

**20 1200PST  
21 2000PST**

**0 0 0**

**Winter Storm**

A strong slow moving frontal system supported by a 150 to 170 kt jet brought strong winds, heavy rain and snow, and small stream flooding to Southwest Oregon. Winds ahead of the front ranged between 30 to 60 mph but gusted up 98 mph on the coast. Reports include: Port Orford 62 mph, Bandon 75 mph, Phoenix 45 mph, Onion Mtn. 70 mph, North Bend 56 mph, Gold Beach 98 mph, Cape Blanco 98 mph, Cape Ferrelo 70 mph.

As the frontal band moved to the California border late on the 20th the winds subsided but precipitation dramatically increased resulting in impressive mountain snow and urban and small stream flooding in some valleys. 1 to 3 inches of rain most of which fell in a 8 hr. period overnight and early the 22nd resulted in minor flooding of roads including highway 99, Biddle rd. and W. Main St. in Medford, Other flooded roads in Jackson county included Highway 238 in the Oak Grove Area, Agate Rd in the upper Applegate area, and Candas Dr. in Eagle Point where water was up to doorways. Numerous streets and areas of low lying flooding in Josephine Co. Minor flooding in Douglas Co. mainly along Deer Creek where some apartments were threatened.

Impressive snowfall amounts fell in the mountains with 2 to 3 feet falling in the Southern Oregon Cascades and Siskiyou in a 12 hr. period while lighter accumulations fell as low as 1000 feet in Southwest Oregon. I-5 over Siskiyou Summit was closed for an extended period. Accumulations include: Mt. Ashland 30", Crater Lake 22", Siskiyou Summit 19", Hyatt Lake 13", Crescent 11", Chiloquin 6" Lower elevation snow between 1-3000 ft. included: Wimer 3" and Shady Cove 2".